

MANERBERGER, A., professor; LIBERMAN, S., kandidat tekhnicheskikh nauk; GRINBERG,
T., inzhener; OCHKIN, V., inzhener; SKOKAN, I., dotsent; SHIPOV, V.

What should be the nature of the modern meat combine? Statements of
Comrades Manerberger, Liberman, Grinberg, Ochkin, Tereshchenko, Skokan,
and Shipov. Mias.ind.SSSR. 26 no.2:18-26 '55. (MLRA 8:7)

1. Gipromyaso (for Manerberger, Grinberg).
2. Glavmyaso (for Liberman).
3. Rosglavmyaso (for Ochkin).
4. Rosmyasomoliroyekt (for Tereshchenko).
5. Moskovskiy tekhnologicheskiy institut myasnoy i molochnoy promysh-
lennosti (for Skokan).
6. Vsesoyuznyy nauchno-issledovatel'skiy
institut myasnoy promyshlennosti (for Shipov).
(Meat industry)

GRINBERG, T.; GURARI, N.

L-1-1000 electric dressing line winch. Mias.ind.SSSR 25 no.1:34-38
'54. (MLRA 7:3)

1. Gipromyasomolprom. (Meat industry) (Conveying machinery)

1. Architectural Drawings, M., 1954.
2. U.S.A. (60)
3. Manufacturing and Characteristics.
4. Design for a large hydroelectric power station, M., 1954.
Soviet No. 2, 1954.
5. Design for a large hydroelectric power station, M., 1954.
6. Design for a large hydroelectric power station, M., 1954.
7. Design for a large hydroelectric power station, M., 1954.
8. Design for a large hydroelectric power station, M., 1954.
9. Monthly List of Russian Accessions, Library of Congress, [redacted] 1953, incl.

GRINBERG, T. GURARI, N.

Slaughtering and slaughterhouses

Automatic swing for suspending cattle carcasses for bleeding. Mias. ind.
SSSR 23 no. 1, 1952.

9. Monthly List of Russian Accessions, Library of Congress, August 1951, Uncl.
2

GRINBERG, T.

Drives for technological overhead conveyors with step-by step speed variation. Mias. ind. SSSR 33 no.4:16-20 '62.

(MIRA 17:2)

1. Vsesoyuznyy nauchno-issledovatel'skiy institut myasnoy promyshlennosti.

TOPOLYANSKAYA, S.I.; FEDORVA, O.A.; NUKINAREVICH, A.F.; BRONSHTEYN, R.B.;
GRINBERG, TS.B.; NIKOLAEVA, K.G.; SPERANSKAYA, K.I.; IVANOVA, V.N.;
KISELEVA, V.P.; VIL'SHINSKAYA, F.L.; MATVEYEVA, V.N.

Finds of Salmonella reading. Zhur. mikrobiol. epid. i immun. 32
(MIA 15:5)
no.7:123 Je '61.

1. Iz sanitarno-epidemiologicheskoy stantsii Kalininskogo rayona
Moskvy i Moskovskoy gorodskoy sanitarno-epidemiologicheskoy stantsii.
(SALMONELLA READING)

GRINBERG, S. V.

Analyzing the conditions of flow formation of the Bol'shaya Almaatinka River above Lake Bol'shaya Almaatinka. Trudy KozNII(MI no.17345-91 1962) (MIRA 1962)

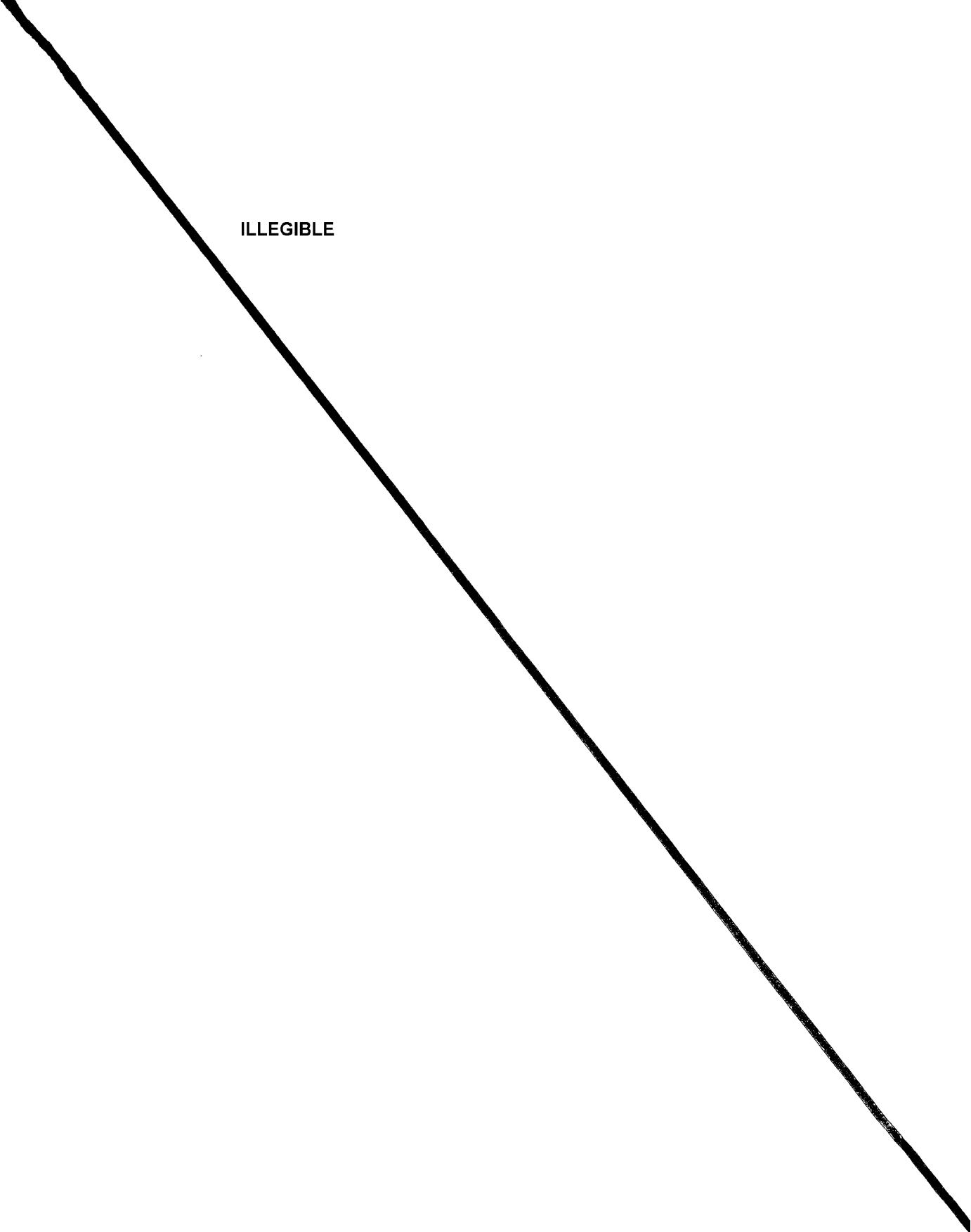
GRINBERG, Sh.M.

Economic method. Zashch. rast. ot vred. i bol. 3 no.5:14 My
'63. (MIRA 16:9)

1. Nachal'nik Chadyr-Lungskogo otryada po bor'be s vreditelyami i
boleznyami rasteniy.
(Moldavia--Weevils--Extermination)

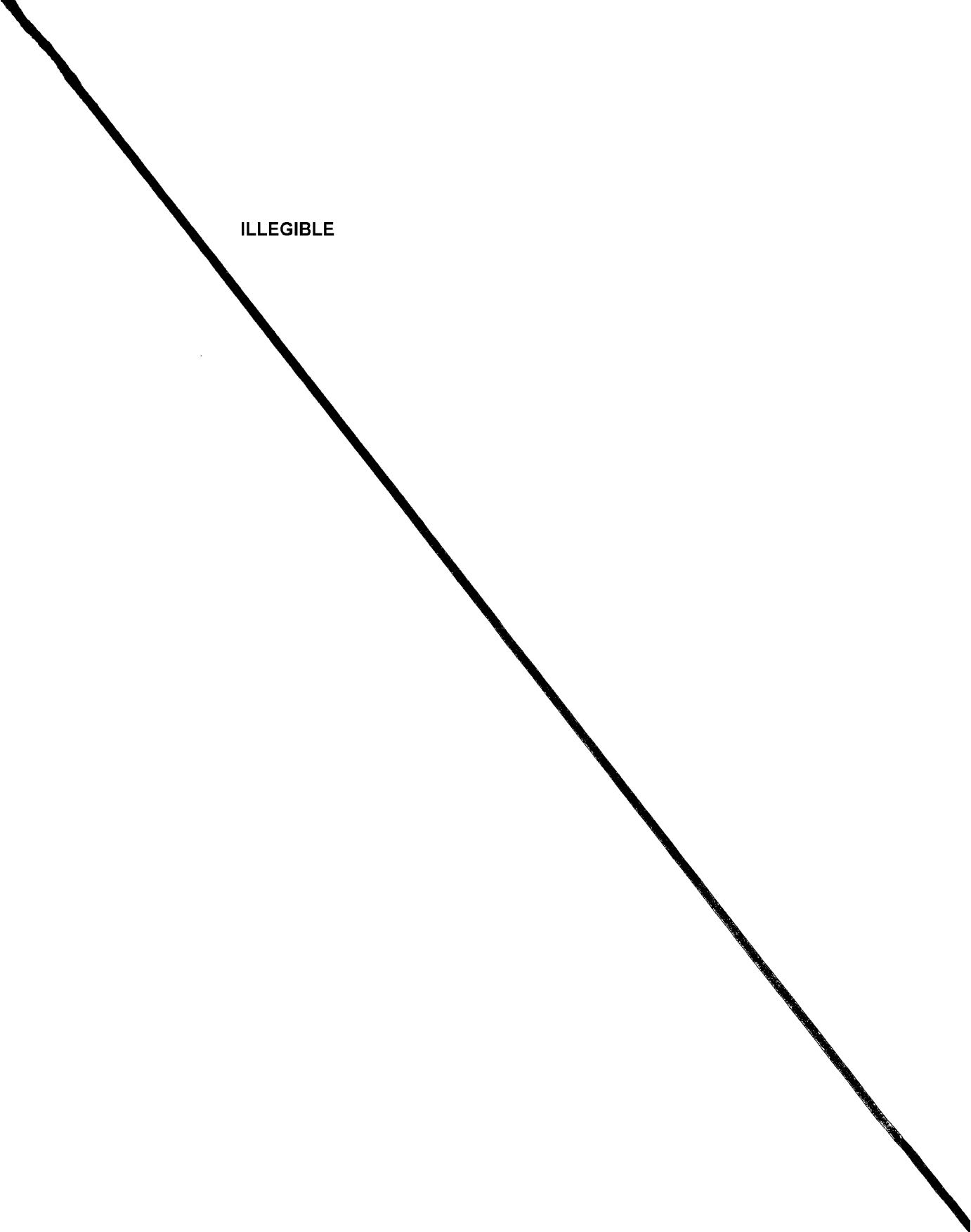
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GRINBERG, S.V.

Source of rivers in the northern slope of the Dzungarian Ala-Tau.
Meteor.i.gidrol. no.9;38-42 S 163. (MIRA 16:10)

1. Upravleniye gidrometeorologicheskoy sluzhby Kazakhskoy SSR.

GRINBERG, S.V.; OSIPOVA, N.A.

Underground source of mountain rivers in the northern slope of the
Trans-Ili Alatau. Izv. AN Kazakh. SSR. Ser. geol. nauk no.5:89-95
'63. (MIRA 17:1)

1. Upravleniye gidrometeorologicheskoy sluzhby KazSSR, Alma-Ata.

ГРУППА, А.

LUNDINA, Miriam Grigor'yevna; BERENSHTEYN, Peysya Iosifovich; BLOKH,
Grigoriy Semenovich; GRINBERG, S.M., red.; GILMANSOON, P.G.,
tekhn. red.

[Semidry press process for the manufacture of bricks] Proizvodstvo
kirkicha metodom polusukhogo pressovaniia. Moskva, Gos. izd-vo
lit-ry po stroit., arkhit. i stroit. materialam. 1958. 162 p.
(Pressed brick) (MIRA 11:9)

Chernyak, Yakov Naumovich; SOKOLOV, Yu.B., nauchnyy redaktor; GRIMBERG, S.M.,
redaktor; PYATAKOVA, N.D., tekhnicheskiy redaktor

[Effective ceramic building materials] Effektivnaya stroitel'naya
keramika. Moskva, Gos.izd-vo lit-ry oo stroit.materiam, 1957.
501 p.

(Clay industries)

GRINBERG, S. M.

PEVZNER, R. L.; ZALKIND, I. Ya., nauchnyy redaktor; GRINBERG, S. M., redaktor,
GILENSON, P. G., tekhnicheskiy redaktor

[Control of the production of ceramic building materials] Kontrol' proizvodstva keramicheskikh stroitel'nykh materialov. Moscow, 1958.
izd-vo lit-ry po stroit.materialam, 1957. 203 p. (Kurs 10:1)
(Ceramic industries)

GRINBERG, S.M.

TEMKIN, Boris Semenovich; GURENKOV, V.N., nauchnyy red.; GRINBERG, S.M.,
red.; GILENSON, P.G., tekhn.red.

[Designing processes for assembly-line grinding and pulishing
of sheet glass] Raschety protsessov konveiernogo shlifovaniia
i polirovaniia listovogo stekla. Moskva, Gos. izd-vo lit-ry po
stroit.materiam, 1957, 61 p. (MIRA 11:6)
(Grinding and polishing) (Glass)

BELOV, V.I.; KINZBURGSKIY, I.B.; SOKOLOV, Yu.B., nauchnyy red.; GRINBERG,
S.M., red.; GARNUKHINA, L.A., tekhn.red.

[Ceramic building materials of great utility; practices of the
Tallinn and "Azeri" brick factories] Effektivnaia stroitel'-
naia keramika; iz opyta raboty kirkichnykh zavodov Tallinskogo
i "Azeri." Moskva, Gos. izd-vo lit-ry po stroit. materialam,
1957. 51 p. (MIRA 12:2)

(Estonia--Ceramics)

GRINBERG, S.M.

ZHUKOV, A.V.; SLOBODYANYUK, V.V.; GRINBERG, S.M., redaktor; PYATAKOVA, N.D.,
tekhnicheskiy redaktor

[Natural drying of material by means of axial ventilators; work
practices of Ukrainian brick factories] Estestvennaya sushka syrtsa
s primeneniem osevykh ventilatorov; iz opyta raboty kirkichnykh
zavodov USSR. Moskva, Gos.izd-vo lit-ry po stroit.materialam,
1957. 34 p.

(MLRA 10:7)

(Brick--Drying) (Fans, Electric)

ROKHVARER, Ye.L., inzhener; GRINBERG, S.M., redaktor; LYUDKOVSKAYA, N.I.,
tekhnicheskiy redaktor.

[Study of clay resources, 1951-1954] Issledovaniia glinistogo syr'ia
(1951-1954 gg.). Moskva, Gos. izd-vo lit-ry po stroit. materialam,
1956. 237 p. (Moscow. Vsesoiuznyi nauchno-issledovatel'skii institut
stroitel'noi keramiki. Trudy, no.11) (MLRA 9:8)
(Clay)

GRINBERG, S.M.

ZORIN, P.A.; MARTYNOV, P.T.; SOBOLEV, M.A., nauchnyy redaktor; GRINBERG,
S.M., redaktor; GLADKIKH, N.N., tekhnicheskiy redaktor.

[Local unfired building materials] Mestnye bezobzhigonye stroitel'nye materialy. Moskva, Gos.izd-vo lit-ry po stroit.materialam, 1956. 122 p.

(Building materials)

YASIMOV, A.Ye.; LOBANOV, N.I.; CHARNYAK, Ya.N., kandidat tekhnicheskikh
nauk, nauchnyy redaktor; GRINBERG, S.M., redaktor; YUDOVICH, V.L.
tekhnicheskiy redaktor

[Manufacturing hollow ceramic tiles; practices of the Chermushkinski
brickworks] Preizvodstvo pustotelykh keramicheskikh klyuchey, kont
Cheremushkinskogo kirkichnogo zavoda. Moskva, Gos. in-t vo lit-ry
po stroit. materialam, 1956. 47 s.

(Hollow tiles)

CHERNYAK, Yakov, Naumovich; POSPEKHINA, Yelena Aleksandrovna; NOKHRATYAN, K.A., redaktor; GRINBERG, S.M., redaktor; LYUDKOVSKAYA, N.I., tekhnicheskiy redaktor

[Utilizing the smoke fumes from annular kilns for drying bricks in artificial drying chambers; work practice of brick factories in Moscow and Moscow Province] Ispol'zovanie dymovykh gazov kol'tsevyykh pechei dlja sushki kirpicha-syrtsa v iskusstvennykh sushilakh; opyt raboty kirpichnykh zavodov Moskvy i Moskovskoi oblasti. Moskva, Gos. izd-vo lit-ry po stroitel'nym materialam, 1955. 38 p. (MLRA 9:1)
(Brickmaking)

L 15626-66

ACC NR: AT6001269

very well with the exact solutions. 3) To determine the vibration frequencies corresponding to pendulum-type vibration (p_{01}, p_{02}), bending modes in plane of least stiffness ($p_{11}, p_{12}, p_{13}\dots$), torsional modes ($p_{21}, p_{22}, p_{23}\dots$), and bending modes in plane of maximum stiffness ($p_{31}, p_{32}\dots$), the corresponding energy and deflection equations are derived and the variational equations are obtained by the Ritz method. 4) Some approximate equations are derived for finding the first two natural frequencies and their corresponding modes, and the effects of geometrical parameters are discussed. 5) For purposes of illustration, the first three frequencies and corresponding modes are calculated for the blade shape used previously by the author and B. F. Shorr (K teorii kolobaniy sharnirnykh lopatok s obkatyvaniyem, sb. Raschety na prochnost', No. 10, Mashgiz, 1964). 6) The results are compared with those obtained by a method of successive approximations as described by B. F. Shorr (Raschet na kolebaniya sharnirnykh lopatok, sb. Prochnost' i dinamika aviat-sionnykh dvigateley, No. 2, Mashinostroyeniye, 1965). Orig. art. has: 7 figures, 2 tables, and 91 formulas.

[04]

SUB CODE:13,21/ SUBM DATE: 17Jul65/ ORIG REF: 016/ OTH REF: 002/

Card 272

L 15626-66 EWT(m)/EMP(w)/EMP(r)/T-2/EMP(k)/EMP(m) 6 IJP(c) WW/FM/GS
ACC NR: AT6001269 SOURCE CODE: UR/0000/65/000/000/0264/0291

AUTHOR: Grinberg, S. M.

ORG: none

TITLE: Variational method of calculating the frequency and mode of vibration of hinged blades

SOURCE: Prochnost' i dinamika aviationsionnykh dvigateley (Durability and dynamics of aircraft engines); sbornik statey, no. 2, Moscow, Izd-vo "Mashinostroyeniye," 1965, 264-291

TOPIC TAGS: turbine blade, blade vibration, vibration theory, vibration frequency, turbomachinery

ABSTRACT: A variational method for calculating the frequency and mode of vibration of hinged blades with rolling contact is presented and demonstrated on an example. The work was done to improve upon the results obtained previously by Bogdanov, Goldberg, and Marcus (Linear Vibration of a Pinned Rotating Blade, JAS, 1961, No. 8) who had introduced some unwarranted simplifications. The paper is divided into 6 parts: 1) The energy functions for kinetic energy, potential energy, and centrifugal force energy of the blade, hinge, and pivot are derived, and the boundary conditions are discussed; 2) The simplified case of a nonrotating, constant profile blade with the radius of pivot ρ and angle between pivot axis and axis of minimum stiffness α equal to zero, is used to demonstrate variational technique. The results agree

Card 1/2

UDC: 62-25:534-16.014.2

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GRUNBERG, S.M.

Variational method for calculating frequencies and shapes
of vibrations of hinged blades. Prog. Eng. av. vigr.
no. 2; 24-91-165. (NDIA 1211)

GRINBERG, S.M., Inzh.; SHORR, B.F., kand. tekhn. nauk

Theory of the vibrations of rolling-around hinged vanes. Rascheta
proch. no. 10:324-351 '64. (MIRA 18:1)

GRINBERG, S.M., inzh.

Calculating frequencies of bending and torsional vibrations
of blades of axial compressors. Rasch. na prochn. no.9:
339-361 '63 (MIRA 16:12)

GRINBERG, S.M., inzh.

Using the Ritz method in calculating the frequency of bending
vibrations of cantilever blades of axial-flow turbomachines.
Rasch.na prochn. no.8:271-307 '62. (MIRA 15:8)
(Blades--Vibration)

SP-47-100-107/6

Bending Calculations on building "Bible Bending" Wires

In case the spans are all the same, the stresses will occur in all of them and the maximum stress is the same in all cases. The calculated maximum bending stresses and sectional areas for the four wires are tabulated. Dimensioned drawing of each form of wire are given in figure 6, showing the size necessary for equal strength. It is concluded that by using wires of variable section the dimensions of the wire and the bending on the bibles can be reduced.

There are 6 figures, 1 table and 3 short references.

Card4/4

SOV/nd E, 12/27/66

Bending Calculations on binding "Blade-holding" Wires.

forms of variable-section wire are then considered, i.e. the first form of wire has sections are circular, i.e. simplify relevant coefficients the calculation of stresses in the wires in this case are plotted in Figure 4. It is found that the maximum stress is least when the stress is the same in both sections at the point of change of diameter. The second form, where the thin section is streamlined as shown in Figure 5, is then considered; the stresses in this wire may be calculated from equations (34). It is emphasised that the various formulae and the graphs in Figure 4 are valid only if the bending moments at the end-supports satisfy condition (9). If this condition is not fulfilled very different results may be obtained. Wires of four forms but of equal strength are then compared. They are: a round wire; a tube whose wall thickness is 15% of the outside diameter; a round wire of two different sections; and a wire with the thin sections streamlined. Their dimensions are selected to fulfil the following conditions: all the wires are installed at the same distance of the same angle; in each

Card 3/4

SGV/96-59-7-7/26

Bending Calculations on Binding "Blade-Lacing" Wires

wire of constant section is then considered and the maximum stress in a round wire is given by equation (20). Tubes may be used instead of wires to reduce the bending and the additional loading on the blades; in this case the maximum stress is given by equation (27) and the centrifugal force by equation (28). A binding wire of variable section is then considered. It will be seen from the stress diagrams in Figures 2 and 3 that the greatest bending moments and stresses in the wire occur at the blades and are proportional to the areas of the bending-moment diagrams. The areas may be reduced by decreasing the distributed load acting on the wire, for example by attenuating the wire in the central parts of the spans. This reduces the loading at the blades and increases it between them. The case is then considered of a wire whose diameter is large at the blades and smaller between them; Equations (27) to (30) are derived. They confirm that by using wires of this kind the stress is reduced at the blades and is increased between them. Two possible

Card 2/4

SOV/96-59-7-7/26

AUTHOR: Grinberg, S.M., Engineer

TITLE: Bending Calculations on Binding "Blade-lacing" Wires
(Raschet na izgib bandazhnykh provolok)

PERIODICAL: Teploenergetika, 1959, № 7, pp 26-31 (USSR)

ABSTRACT: The wires considered in this article are those used to stiffen ("lace" together) groups of turbine blades in order to damp their vibrations. The article treats the wires as statically indeterminate beams with multiple supports; span lengths, loads and sectional moments of inertia are assumed to be the same and symmetrically distributed relative to the supports. With this assumption the calculations can be simplified by using the equations of finite differences. Equations are first derived for the bending moments in the wire at the points where it passes through the blades. If the span lengths are selected in such a way that equation (9) is fulfilled, then the bending moments become the same at all these points of support and are given by equation (10), and the stresses are the same in all spans. The case of a binding

Card 1/4

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GRINBERG, S.M.

Action of variable-frequency forces on linear systems.
Probl.proch.v mashinostr. no.5:34-46 '59. (MIRA 13:1)
(Vibration)

Problems of Strength (Cont.)

SOV/3241

by V. A. Ivovich, a study is made of a number of problems on nonlinear natural and forced vibrations of rods, which have a longitudinal elasticity on the end and longitudinally varying mass. The results obtained by the authors in these articles will be of interest to those studying modern elastic rod structures subject to dynamic effects. References follow each article.

TABLE OF CONTENTS:

Foreword	3
Kononenko, V. O. On Passing Through Resonance of a Mechanical System With Motor	5
Rastrigin, L. A. Vibrations of an Elastic Shaft Passing Through the Critical Velocity, Taking Into Account Its Connection With the Motor	10
Grinberg, S. M. The Action of Forces of Variable Frequencies on Linear Systems	34
Ivovich, V. A. Certain Nonlinear Problems of the Vibration of Rods	47

AVAILABLE: Library of Congress

Card 2/2

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24(6); 25(2) PHASE I BOOK EXPLOITATION

SOV/3241

Akademiya nauk SSSR. Institut mashinovedeniya

Problemy prochnosti v mashinostroyenii, vyp. 5 (Problems of Strength in Mechanical Engineering, Nr 5) Moscow, Izd-vo AN SSSR, 1959. 69 p. Errata slip inserted. 2,500 copies printed.

Ed.: F. M. Dimentberg, Doctor of Technical Sciences; Ed. of Publishing House: G. B. Gorshkov; Tech. Ed.: I.F. Koval'skaya.

PURPOSE: This book is intended for analysts and designers of turbomachines and vibration machines. It will also be of interest to teachers and students working on the problems of vibrations in machines.

COVERAGE: This book contains 4 articles on vibrations in machines. An article by V. O. Kononenko discusses the problem of nonstationary vibrations with respect to a general vibrational system, taking into account the connection with the motor. Essentially the same problem but with respect to a rotating shaft is studied in the article by L. A. Rastrigin. In the article by S. M. Grinberg, a study is made of the nonstationary process in a case of an arbitrary problem of the law of excitation frequency variation. Finally, in the article

Card 1/2

SOV-124-57-8-9384

Translation from: Referativnyy zhurnal. Mekhanika, 1957, Nr 8, p 118 (USSR)

AUTHOR: Grinberg, S. M.

TITLE: On the Natural-bending-vibration Frequencies of Tapered Beams
(O chastotakh sostvennykh izgibnykh kolebaniy klinovidnykh sterzhney)

PERIODICAL: V sb.: Kolebaniya v turbomashinakh. Moscow, AN SSSR, 1956
pp 96-110

ABSTRACT: When the beam-section moments of inertia vary exponentially along the beam length, the solution to the vibration equation can be expressed in terms of Bessel functions. For cases of two different types of boundary condition the author works out the frequencies and modes of the natural bending vibrations of the first five tones.

I. Ye. Sakharov

Card 1/1

GRINBERG, S.L., kandidat tekhnicheskikh nauk

Investigations of metabolism in organisms producing antibiotics;
review of foreign literature. Antibiotiki 8 no.3:2-14 '55.
(FUNGI,
antibiotic-prod. species, metab. in) (MLRA 8:7)
(ANTIBIOTICS,
antibiotic-prod. species, metab. in)

ZHENKIBAKAYA, Anatoliy Isaakovich, Izhevsk; TURINOV, G.I., red.

[Mechanization of washing and cleaning operations in overhauling motor vehicles] Mekhanizatsiya mechno-ochistitel'nykh rabot pri kapital'nym remonte avtomobilej. Moskva, Transport, 1965. 49 p. (MIR 18;17)

GRINBERG, S. I.

Grinberg, S. I. On the asymptotic behavior of the eigenvalues of the Laplace operator. Uspchi Matem. Nauk (N.S.) 3, no. 6(38), 97-102 (1953). (Russian)

The author considers $\Delta v + \lambda v = 0$, where Δ is the Laplace operator in 3 dimensions, and the eigenvalues are $\{\lambda_j\}$ for the Dirichlet problem on a finite domain D bounded by a surface S having positive curvature everywhere. For this case the author sharpens the formula of Carleman for $J = \sum_i (\lambda_i^4 + \lambda_i p)^{-1}$, where p is large and positive by showing that

$$J = V(4\pi p)^{-1} - S(15\pi p)^{-1} \ln p + O(p^{-1}),$$

where V depends on D and S is the area of the surface.

N. Levinson (Cambridge, Mass.).

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GRINBERG, S.D., inzh.; KARPINSKIY, Yu.P., inzh.; ZUKKER, M., inzh.;
KROVOBOKOV, V.N., inzh.

Experimental investigation of transient processes in the motor
of a continuous rolling mill. Trudy Inst.chern.met.AN URSR
16:138-142 '62. (MIRA 15:12)

(Rolling mills--Electric driving)
(Transients (Electricity))

GRINBERG, S.D., inzh.; PODKOVYRIN, Ye.Ya., inzh.

Measuring small variations of speed by frequency comparison.
Trudy Inst.chern.met. AN URSR 16:129-137 '62. (MIRA 15:12)
(Rolling (Metalwork)--Speed)
(Electronic measurements)

KOZHEVNIKOV, S.N.; GRINBERG, S.D., inzh.

Analysis of automatic looping regulators on continuous small
shape hot rolling mills. Trudy Inst.chern.met.AN URSR 16:112-
128 '62. (MIRA 15:12)

1. Chlen-korrespondent AN UkrSSR (for Kozhevnikov).
(Rolling mills) (Automatic control)

SKICHKO, P.Ya., inzh.; GRINBERG, S.D., inzh.

Technological conference on the automatic control of blooming,
slabbing, and universal mills. Met. i gornorud. prom. no.2:
78 Mr-Ap '62. (MIRA 15:11)
(Rolling mills--Congresses) (Automatic control)

KOZHEVNIKOV, S.N.; PRAZDNIKOV, A.V., inzh.; CHERNYSHEV, A.N., kand.tekhn.
nauk; GRINBERG, S.D., inzh.

Possibilities of increasing the output of a pilgrim pipe rolling
mill. Izv. vys. ucheb. zav.; chern. met. no.7:91-107 J1 '58.

1. Dnepropetrovskiy metallurgicheskiy institut. 2. Chlen-korrespondent
AN USSR (for Kozhevnikov).
(Rolling mills)

KATSER, I.I.; GRINBERG, S.B.

Experience with hydrolysin L-103, BK-8, and Belenkii's serum in certain acute surgical diseases. Probl.gemat. i perel.krovi 4 no.7:47-48 Jl '59. (MIRA 12:10)

1. Iz gospital'noy khirurgicheskoy kliniki (zav. - prof.A.G. Sosnovskiy) lechebnogo fakul'tata Odesskogo meditsinskogo instituta i khirurgicheskogo otdeleniya (zav. S.A.Beylin) Vodnotransportnoy rayonnoy bol'nitsy.

(AMINO ACID MIXTURES, ther. use,
protein hydrolysates in acute surg. dis. (Rus))

I 57535-65 EWT(m)/EWA(d)/EWP(v)/T/ EWP(t)/EWP(k)/EWP(z)/EWP(b)/EWA(c)
PF-1 MJW/JD/HM/HW

ACCESSION NR: AR5015179

UR/0137/65/000/005/D037/D037

SOURCE: Ref. zh. Metallurgiya, Abs. 5D223

AUTHOR: Batist, U. I.; Grinberg, S. A.; Klekovina, N. F.

TITLE: Cold drawing of electrowelded stainless tubes

CITED SOURCE: So. Proiz-vvo svarn. i besshavn. trub. Vyp. 1. M., Metallurgiya, 1964, 67-73

TOPIC TAGS: metal tube, stainless steel, cold drawing, drawing, weld seam, electrowelding, metal deformation, heat treatment, thin tube/ Kh18NIOT stainless steel

TRANSLATION: The article describes an experimental investigation of the process of drawing welded stainless tubes made of Kh18NIOT with dimensions of 2 x 38, 2 x 51, and 2.5 x 38 mm. It presents different conditions for drawing tubes. A study was made of the effect of deformation and heat treatment on the structure of the welded seam. Conditions for heat treatment of tubes are considered. On the basis of the investigation, the engineering economics for production of thin walled tubes are worked out. A. Leont'yev.

Card 1/1 SUB CODE: MM, IM

ENCL: 00

GRINBERG, S.A.

Multilocular echinococcosis of the brain. Zhur. nevr. i psikh.
64 no.8:1163-1166 '64. (MIRA 17:12)

1. Kazanskiy nauchno-issledovatel'skiy institut travmatologii i
ortopedii (direktor U.Ya. Bogdanovich).

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MONITOR, G.A., Khorat, Thailand

Report dated 21 August 1968 from the Khorat, Thailand, office of the People's Army of Kampuchea, No. 3152-53
by [redacted]

1. Report on activities of Khmer Rouge, Khorat, Thailand, during the last
Khmer Rouge offensive against the People's Army of Kampuchea, 1968-1970.
[redacted]

RUSETSKIY, I.I., prof., glav. red.; ANDREYEV, M.P., prof., zam.
glav. red.; OMOROKOV, L.I., prof., red.; ANDREYEV, V.P.,
dots., red.; MENDELEVICH, D.M., red.; GRINBERG, S.A.,
red.

[Some problems of neuropathology and psychiatry; materials
of the scientific and practical conference of neuropa-
thologists and psychiatrists of the city of Kazan] Nekoto-
rye voprosy nevropatologii i psichiatrii; materialy nauchno-
prakticheskoi konferentsii nevropatologov i psichiatrov gor
Kazani. Kazan', Kazanskoe nauchno. ob.v. nevropatologov i
psichiatrov, 1963. 77 p. (MIRA 16:11)
(NERVOUS SYSTEM-DISEASES-Psychiatry)

GRINBERG, S.A., kand. med. nauk

Homolateral symptoms in brain tumors. Kaz. Med. Zhur. no.6:58-
59 '62. (MIRA 17:5)

1. Neyrokhirurgicheskaya klinika (zav. - prof. N.I. Komarov)
Kazanskogo nauchno-issledovatel'skogo instituta travmatologii i
ortopedii (dir. - prof. L.I. Shulutko).

GRINBERG, S.A., kand.med.nauk

Significance of trauma in infection and in the development of tumors
of the brain and spinal cord. Kaz.med.zhur. no.4:78-79 J1-Ag '62.
(MIRA 15:8)

1. Neyrokhirurgicheskoye otdeleniy (rukovoditel' - prof. N.I.Komarov)
Kazanskogo nauchno-issledovatel'skogo instituta travmatologii i
ortopedii (direktor - prof. L.I.Shulutko).
(SPINAL CORD--TUMORS) (BRAIN--TUMORS)

GRINBERG, S.A., kand.med.nauk

Remittent course of tumors of the brain. Kaz. med. zhur.
no.2:59-61 Mr-Ap '61. (MIRA 15:6)

1. Neyrokhirurgicheskoye otdelneiye (rukovoditel' - prof.
N.I. Komarov) Kazanskogo nauchno-issledovatel'skogo instituta
travmatologii i ortopedii (direktor - prof. L.I. Shulutko).
(BRAIN--TUMORS)

GRINBERG, S.A., kand.med.nauk

Disturbances of the endocrine metabolism in tumors of the spinal cord. Kaz.med.zhur. 40 no.5:33-35 S-0 '59.

(MIRA 13:7)

1. Iz neyrokhirurgicheskoy kliniki Kazanskogo nauchno-issledovatel'skogo instituta vosstanovitel'noy khirurgii i ortopedii (direktro - prof. L.I. Shulutko).

(ENDOCRINE GLANDS--DISEASES) (SPINAL CORD--TUMORS)

GRINBERG, S.A. (Kazan')

All-Union Conference of Neurosurgeons. Kaz.med.zhur. 40 no.6:
113-115 N-D '59. (MIRA 13:5)
(NERVOUS SYSTEM--SURGERY)

GRINBERG, S. A., Cand of Med Sci -- (diss) "Certain problems of the diagnosis of tumors of the spinal cord." Kazan', 1957, 11 pp (Kazan' State Medical Institute; Kazan' State Scientific Research Institute of Surgical Restitution and Orthopedics), (KL, 30-57, 112)

GRINBERG, S.A.

Electrodiagnosis of tumors of the spinal cord. Vop.neirokhir. 20
no.4:21-26 Jl-Ag '56.
(MIRA 9:11)

1. Iz neyrokhirurgicheskoy kliniki i elektrofiziologicheskoy
laboratori Kzanskogo nauchno-issledovatel'skogo instituta ortopedii
i vosstanovitel'noy khirurgii.
(SPINAL CORD, neoplasms
electrodiag.)

GRINBERG, S.A.

Remittent course of tumors of the spinal cord. Vopr. neirokhir.
17 no.6:53-55 N-D '53. (MLRA 6:12)

1. Iz neyrokhirurgicheskoy kliniki Kazanskogo nauchno-issledovatel'skogo instituta ortopedii i vosstanovitel'noy khirurgii.
(Spinal cord--Tumors)

GRINBERG, S.A.; PORUCHIKOV, Yu.P.; KHAZAN, G.L.

Centrifugal casting of iron water supply pipes in changeable molds.
Lit. proizv. no.8:5-6 Ag '62. (MIRA 15:11)
(Centrifugal casting) (Pipe, Cast iron)

USSR/Technical Crops. Oil Plants. Sugar Plants.

M

Abs Jour: Ref Zhur-Biol., No 17, 1958, 77787.

spring period of sowing. Plantings of the roots of the summer sowing ripen earlier, get through the hot dry winds more often, have a shorter blossoming and ripening period, thanks to which they can be harvested in one period, which is more economical than the harvest of usual seed plants which take 2-3 periods. The productivity of the seeds sown in the summer periods is higher. Seeds from the mother plants of June and July sowings provided in industrial planting a 2 $\frac{1}{2}$ and a 5 $\frac{1}{2}$ (respectively) higher sugar collection from 1 ha than from seeds of mother plants of spring sowing. In the Krasnodarskiy kray, sowing of the mother beet should be carried out 10 June - 5 July. -- M. I. Orlovskikh.

Card : 2/2

USSR/Technical Crops. Oil Plants. Sugar Plants.

M

Abs Jour: Ref Zhur-Biol., No 17, 1958, 77787.

Author : Sevost'yanov, S.P.; Grinberg, S.A.

Inst :

Title : Summer Sowing of Mother Beet.

Orig Pub: Agrobiologiya, 1957, No 6, 111-118.

Abstract: Results of many years of experiments (1940-1953) conducted at the Pervomayskaya Experiment Selection Station (Krasnodarskiy Kray) on the influence of the summer period of sowing of Mother beet. Emphasized is the significant saving in outlay of manpower and transportation on the yield, storage and planting of the mother roots from the summer sowing, since they are significantly smaller in comparison with the roots of the usual

Card : 1/2

DRYANOV, N. A.

DRYANOV, N. A. "Summer Sowing of 'Krasnodar' Sugar Beet and Winter Beet-seed Production in Krasnodar krai." Cand. Agric. Sci. Thesis, USSR. Kuban' Agricultural Inst. Krasnodar, 1956, (For the Degree of Candidate in Agricultural Science)

So: Kainskaya Letopis' No. 1, 1956

SCV/133-58-11-17/25

The Production of Tubes with an Internal Plastic Coating

and 51 mm and 4.5 m long are being manufactured. They can be used at temperatures up to 100 °C. For bending tubes are filled with sand heated to 130 - 140 °C. Methods of joining plastic-clad tubes are shown in Figure 4. The general view of the apparatus for forming plastic tubes is shown in Figure 1. There are 4 figures.

ASSOCIATION: Pervoural'skiy Starotrubnyy zavod (Pervoural'sk Oil Tube Works)

Card 2/2

AUTHOR: Grinberg, S.A., Engineer SOV/153-58-11.17/25
TITLE: The Production of Tubes with an Internal Plastic Coating
(Proizvodstvo trub s vnutrennim plastmassovym pokrytiyem)
PERIODICAL: Stal', 1958, Nr 11, pp 1018 - 1020 (USSR)
ABSTRACT: The method of manufacturing tubes with an internal plastic coating developed at the works with the co-operation of the Ministerstvo khimicheskoy promyshlennosti (Ministry of the Chemical Industry) is described. The method consists of production of plastic tube (vinyl plastics) by drawing plastic strip (8-10% wider than the periphery of the finished tube) heated to 140-150 °C through a forming apparatus consisting of a cone and a ring (Figure 3) and a welding stream of hot air (210 - 220 °C). Plastic tube is inserted into the steel tube of a diameter 2-3mm larger than the outside diameter of the plastic tube and then both tubes are heated. The plastic tube which during its forming obtained elongation at the expense of its diameter, expands on reheating, fitting tightly into the steel tube. The manufacturing method is claimed to be superior to foreign methods. Tubes of diameters 4, 8, 10, 12, 23, 30

Card 1/2

1. ~~SECRET~~, 1.
2. USSR (600)
4. Radio - Cask
7. The Cask Committee of the All-Union Voluntary Society for Assistance to the Army, Aviation and Navy are not making preparations for Eleventh All-Union Military Exhibition. Radio Re. 2, 1953.
9. Monthly List of Russian Accessions, Library of Congress, May 1953, Unclassified.

1. GRINBERG, S.
2. USSR (600)
4. Omsk - Radio
7. Work of the young radio amateurs of the city of Omsk. Radio no. 10, 1952.

9. Monthly List of Russian Accessions, Library of Congress, January 1953, Unclassified.

APPROVED FOR RELEASE: 06/23/11: CIA-RDP86-00513R000616900047-6

GRINBERG, S.

"Arrabge for the Exchange of Experience," Radio, No.2, 1952

ACCESSION NR: AT3007806

400—500°C; at higher temperatures deformation sets in. Optimum stability of the Bi₂Te₃-Bi₂Se₃ alloy was obtained with tempering at 510—530°C. The grain-size effect is similar for positive and negative electrodes. Thermocouples composed of electrodes with optimal characteristics had an effectiveness of 1.92×10^{-3} /degree or, for specimens having an almost monocrystalline structure, 2.06×10^3 /degree. The average mechanical strength of the cold-pressed specimens was 4.98 kg/cm^2 , and that of the hot-pressed specimens, 4.46 kg/cm^2 . Orig. art. has: 5 figures and 1 table.

ASSOCIATION: none

SUBMITTED: 00 DATE ACQ: 16Oct63 ENCL: 00
SUB CODE: PH NO REF SOV: 004 OTHER: 000

Card 3/3

ACCESSION NR: AT3007806

and Reactive-brand Se. For the positive alloy, 3% Te and 0.1% Pb were added, and for the negative, 0.5% Bi and 0.06% Cu. Grain size of the alloy powder ranged from 0.1 to 3 mm. The duration of heat treatment varied from 3 to 48 hours and the pressure, from 1 to 10 ton/cm². The maximum power coefficient for positive electrodes was obtained at 8—9 ton/cm², with subsequent tempering at 385°C for 8 hr, and with a grain size of 0.25 mm or less. The maximum power coefficient generally corresponded to the maximum density of a specimen. The power coefficient increased with temperature up to 400°C, after which the specimens deformed, and with the duration of tempering up to 350°C; at 390°C the prolongation of heat treatment had little effect. A grain-size decrease effects an increase in the thermal coefficient and a decrease in electroconductivity and lattice thermal conductivity. For negative electrodes, the optimal pressure remains at 8—9 ton/cm² (for specimens with grain size less than 0.25 mm sintered for 8 hr at 530°C. With an increase in the tempering temperature of the negative electrode, the electroconductivity and power coefficient increase and the thermal coefficient decreases. The effectiveness of the alloy changes only slightly at

Card 2/3

ACCESSION NR: AT3007806

S/2959/63/000/000/0117/0122

AUTHOR: Voronin, A. N.; Grinberg, R. Z.

TITLE: Briquetting of thermocouple electrodes of $\text{Bi}_2\text{Te}_3-\text{Sb}_2\text{Te}_3$ and $\text{Bi}_2\text{Te}_3-\text{Bi}_2\text{Se}_3$ alloys, with subsequent heat treatment

SOURCE: Termoelektricheskiye svoystva poluprovodnikov; sbornik trudov I i II soveshchaniya po termoelektrichestvu. Moscow, 1963, 117-122

TOPIC TAGS: thermocouple, thermocouple electrode, thermocouple alloy, thermocouple electrode alloy, thermocouple heat treatment, $\text{Bi}_{2\text{Te}}_{3\text{Sb}}_{2\text{Te}}_{3\text{alloy}}$, $\text{Bi}_{2\text{Te}}_{3\text{Bi}}_{2\text{Se}}_{3\text{alloy}}$

ABSTRACT: A new powder technology has been developed for thermocouple manufacture by a method of cold pressing and subsequent heat treatment. The relationships between grain size, pressure, heat-treatment temperature and duration, and the resulting thermoelectric properties of the electrodes were established. The starting materials were: TsMTU-3098-52 Bi, TsMTU-42-11 Class I sublimated Te, SU-0 Sb,

Card 1/3

OKNBERG, R. Ya.

Formation of acute duodenal ulcer following a lesion of the spine. Sud.-med. ekspert. 7 no. 450-51 O.D. '64 (MTRA 18c1)

1. Sud-bnomeditsinskij ekspert Pervomaiska.

VOL'SKIY, V.S., inzh.; MARKOVA, V.I., tekhnik; ZHMAKIN, D.F., inzh.;
GRINBERG, R.Ya., inzh., red.; S'IRNOVA, G.V., tekhn. red.

[General time norms used in the machinery industry for technical
standardization of preparatory work on metal elements; small-lot
and piece production] Obshchemashinostroitel'nye normativy vremeni
dlia tekhnicheskogo normirovaniia zagotovitel'nykh rabot po me-
tallokonstruktsiam; melkoseriinoe i edinichnoe proizvodstvo.
Moskva, Mashgiz, 1962. 102 p. (MIRA 15:12)

1. Moscow. TSentral'noye byuro promyshlennyykh normativov po tru-
du. 2. Vsesoyuznyy proyektno-tehnologicheskiy institut Minister-
stva transportnogo mashinostroyeniya SSSR (for Zhmakin, Markova,
Vol'skiy).

(Machine-shop practice-- Production standards)

VINNIK, L.M.; GRINBERG, R.Ya.; KAMINSKIY, Ya.A.; KLEPIKOV, V.D.; KUZNETSOV, A.M.; KUCHENEV, N.I.; STRUZHESTRAKH, Ye.I.; TISHIN, S.D.; KHARI-
TONOV, A.B.; TSEYTS, I.E.; SHAPIRO, I.I.; SHAPIRO, M.Ya.; ANAN'YAN,
V.A., retsenzent; VASIL'YEV, D.T., retsenzent; GORETSKAYA, Z.D.,
retsenzent; KARTSEV, S.P., retsenzent; KEDROV, S.M., retsenzent;
KOMISSARZHEVSKAYA, V.N., retsenzent; KOPERBAKH, B.L., retsenzent;
KORBOV, M.M., retsenzent; LEONOV, N.I., retsenzent; LUR'YE, G.B.,
NOVIKOV, V.F., retsenzent; GAL'TSOV, A.D., red.; VOL'-
SKII, V.S., red.; KHISIN, R.I., red.; SENENOVA, M.M., red. izd-va;
MODEL', B.I., tekhn.red.

[Reference book for establishing norms in the manufacture of
machinery; in 4 volumes] Spravochnik normirovshchika-
mashinostroitelia; v 4 tomakh. Moskva, Gos. nauchno-tekhn.
izd-vo mashinostroit. lit-ry. Vol.2. [Establishing technical norms
for operating machine tools] Tekhnicheskoe normirovanie stanoch-
nykh rabot. Pod red. E.I.Struzhestrakha. 1961. 392 p.
(MIRA 14:8)

(Industrial management) (Machine tools)

GRINBERG, R. IA.

Russia (1923- U.S.S.R.) Rapid methods of large feed metal cutting; single tool working of ferrous metals with hard alloy tools. Moscow, Gos. nauchno-tekhn. izd-vo mashinostroit. i sudostroit. lit-ry. 1954. 53 p. (55-23326)

1. Metal-cutting.
2. Turning, I. Grinberg, R. IA.

TT207.R8

GRINBERG, R.Ya.; SAKSAGANSKIY, T.D., redaktor.

[Norms of grinding-wheel stability and diamond-tool expenditure]
Normy stoikoosti shlifoval'nykh krugov i raskhoda almaznogo instrumenta. Izd.2 [podgorovleno R.IA.Grinbergom] Moskva, Gos.sauchno-tekhn. izd-vo mashinostroit.lit-ry, 1953. 56 p. (MLRA 7:1)

1. Russia (1923- U.S.S.R.) Ministerstvo mashinostroyeniya.
Nauchno-issledovatel'skoye byuro tekhnicheskikh normativov.
(Grinding wheels)

ANDERSON, E.M.; BUSKA, Z.A.; GRINBERG, R.O.; SAULGOZHA, A.K.

Optical transition probability of the diffuse series of sodium.
Vest.Len.uz.11 ne.4:27-31 F '56. (MIRA 9:7)
(Sodium--Spectra)

GRINBERG, R.M.

Age-related characteristics of morbidity in children of
preschool age. Ped., akush. i gin. 25 no.2:28-30'63.
(MIA 16:9)

1. Viddil organizatsii okhoreni zdorov'ya (zav. G.M.Zelezins'ka
[Zelezyn's'ka, H.M.]) Ukrains'kogo naukovo-doslidnogo instituta
komunal'noi gigiyeni (direktor - prof. D.M.Kalyuzhniy
[Kaliuzhnyi, D.M.]).
(CHILDREN--DISEASES)

APPROVED FOR RELEASE: 06/23/11: CIA-RDP86-00513R000616900047-6

GIGANTON, Cornelia, Ing.; CHILIANO, Narciso, Dr., and T., Eng. Dr., Eng.

Action of activators in compounds filled with Hargita kaolin.
Industria usoara 10 no.7; 286-361 JI '63.

NAMETKIN, N.S.; VDOVIN, V.M.; GRINBERG, P.L.; BABICH, E.D.

Carbofunctional derivatives of silicacyclobutanes. Dokl. AN SSSR
161 no.2:358-361 Mr '65. (MIRA 18:4)

1. Institut neftekhimicheskogo sinteza im. A.V.Topchiyeva AN SSSR.
2. Chlen-korrespondent AN SSSR (for Nametkin).

L 61618-65
ACCESSION NR: AP5015595

The structure of the products obtained was identified by infrared analysis. The presence of the four-membered ring was also confirmed by the polymerization of these compounds under the influence of high temperatures or anionic catalysts. The proposed method (indicated in equation (1)) offers a new way of synthesizing silicocyclobutane derivatives with functional groups on the silicon atoms. The experimental procedure employed is described. Orig. art. has: 1 table and 1 formula.

ASSOCIATION: Institut neftekhimicheskogo sinteza im. A. V. Topchiyeva Akademii nauk SSSR (Institute of Petrochemical Synthesis, Academy of Sciences, SSSR)

SUBMITTED: 28Aug64

ENCL: 00

SUB CODE: OC

NO REF Sov: 003

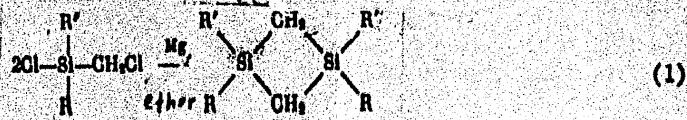
OTHER: 004

Card

L82
2/2

L 61618-65 ENT(m)/EPF(c)/EWP(j)/T Pe-4/Pr-4 RM
 ACCESSION NR: AP5015595 UR/0062/65/000/005/0929/0930 24
 542.91+546.297 23
 AUTHOR: Nametkin, N. S.; Vdovin, V. M.; Zav'yalov, V. I.; Grinberg, P. L. 3
 TITLE: Synthesis of 1,1,3,3-tetrasubstituted 1,3-disilicocyclobutanes 1
 SOURCE: AN SSSR. Izvestiya. Seriya khimicheskaya, no. 5, 1965, 929-930
 TOPIC TAGS: organosilicon compound, silicocyclobutane

ABSTRACT: Up to the present time, only one representative of the disilicocyclobutanes has been known: 1,1,3,3-tetramethyl-1,3-disilicocyclobutane. To increase the number of existing 1,3-disilicocyclobutane monomers, the authors developed a method for synthesizing 1,3-disilicocyclobutanes with various radicals on the silicon atom. It was found that the formation of four-membered heterocycles occurs via a one-step synthesis, as follows:



L 51883-65

ACCESSION NR: AF501016

tion. It is thus possible to produce copolymerization of n-styrylmethyl silicon cyclobutane with styrene and methyl methacrylate aided by dinitrilyl of isobutyric acid. In obtaining the spiro derivative, the authors investigated the reaction $(\text{CH}_2)_3\text{SiCl}_2 + \text{M}(\text{CH}_2)_4 \rightarrow (\text{CH}_2)_3\text{Si}(\text{CH}_2)_4$, where M = Li, MgBr. With Mg the yield was 4%. With Li, only high-molecular condensation products were obtained. It is concluded that this is due to the specific properties of the silicon cyclobutane grouping. In studying the relationship between the Si-C bonds in the silicon cyclobutanes and the effect of organo-metallic compounds, it was found that reaction with magnesium borobenzene does not take place, but that reaction with phenyllithium is nearly complete. The synthesized products, their composition, and their properties are listed in a table. Orig. art. has: 1 table and 3 formulas.

ASSOCIATION: Institut naftekhimicheskogo sinteza im. A. V. Topchiyeva Akademii nauk SSSR (Institute of Petroleum Chemistry Synthesis, Academy of Sciences SSSR)

SUBMITTED: 22Sep64

ENCL: 00

SUB CODE: 00, 00

NO REF Sov: 004

OTHER: 003

elc
Card 2/2

51883-65 EWT(m)/EPF(c)/EPR/EWP(j)/T Po-4/Px-4/Ps-4 RPL WW/RM

ACCESSION NR: AP5010164

UR/0020/65/161/002/0358/0361

AUTHORS: Nameikin, N. S. (Corresponding member AN SSSR); Vdovin, V. M.; Grinberg, P. L.; Babich, S. D.

TITLE: Carbon-combining derivatives of silicon cyclobutanes

SOURCE: AN SSSR. Doklady, v. 161, no. 2, 1965, 358-361

TOPIC TAGS: cyclic compound, butane, organic synthesis, silicon organic polymer, organo metallic compound

ABSTRACT: A number of carbon-function silicon cyclobutanes were synthesized, including those with the functional group in one of the radicals R in the formulae $(\text{H}_3\text{Si}(\text{CH}_2)_3)_x$ and also spiro silicon hydrocarbons. Silicon cyclobutanes with cyanalkyl radical were obtained by reaction between methane silicon cyclobutanes and cyanallyl in the presence of platinized carbon. Two other carbon-function derivatives were prepared from 1-chloro-1-methyl-1 silicon cyclobutane and the corresponding Grignard reactions in diethyl ether: $(\text{CH}_2)_3\text{SiCH}_2\text{R}$, where R = - $\text{CH}=\text{CH}_2$ and - $\text{C}_6\text{H}_4\text{CH}=\text{CH}_2$. These are important because they contain vinyl-silicon and n-styryl groups, which are active in radical polymerization and copolymeriza-

Cord 1/2

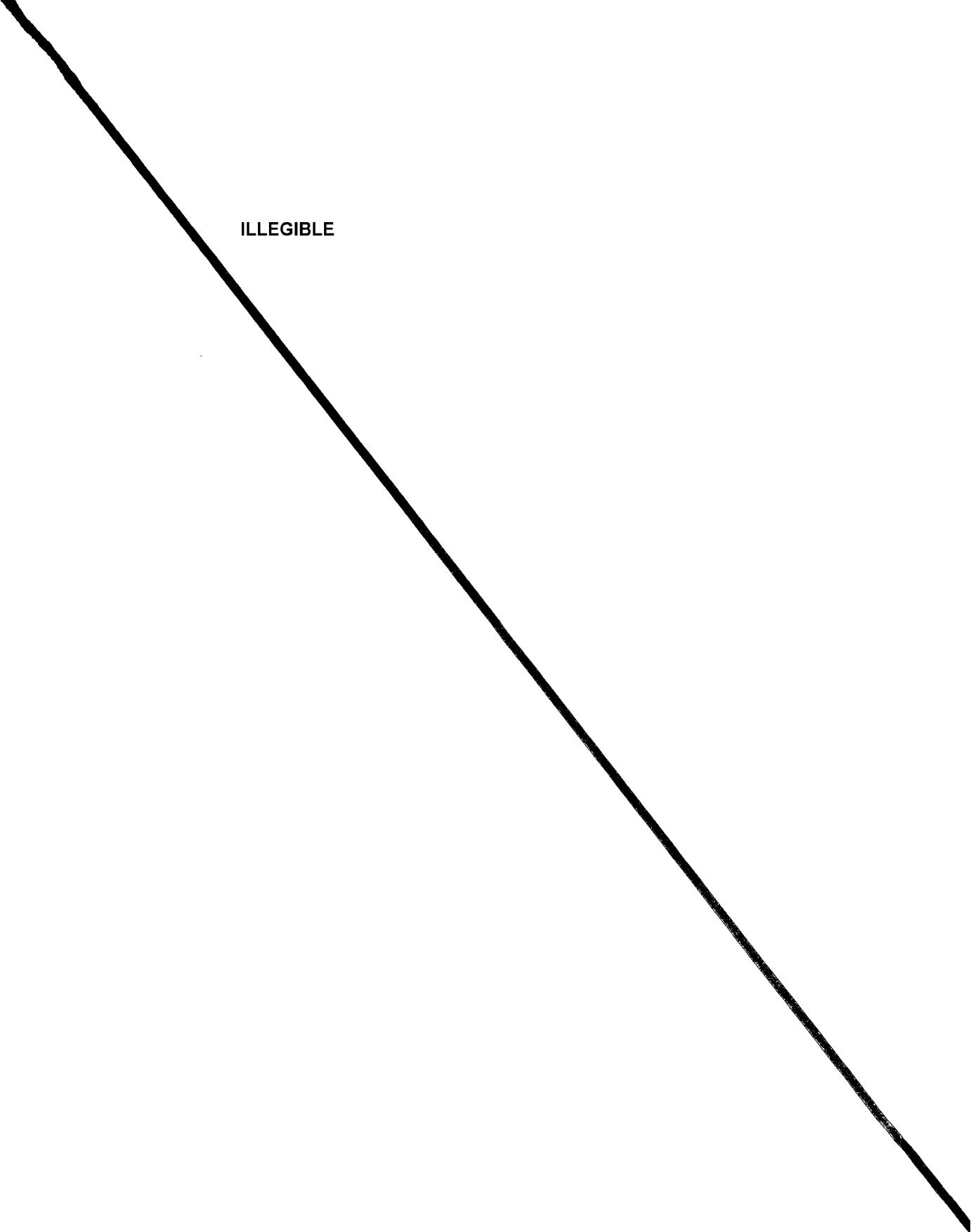
39

35

B

APPROVED FOR RELEASE: 06/23/11: CIA-RDP86-00513R000616900047-6

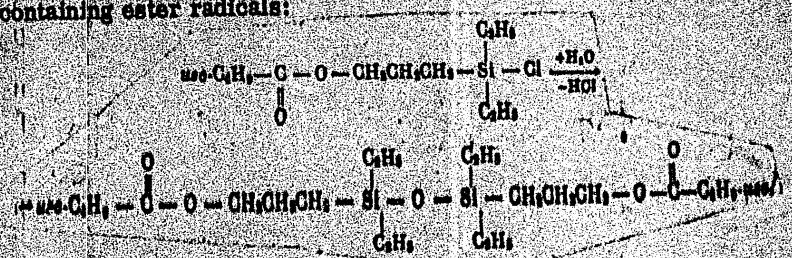
ILLEGIBLE



L 32211-65

ACCESSION NR: AT6002122

disiloxane containing ester radicals:



Thirteen of the prepared products had not previously been described in the literature.
Orig. art. has: 2 tables and 7 formulas.

ASSOCIATION: none

SUBMITTED: 30Jul84

ENCL: 00

SUB CODE: OC

NO REF NOV: 000

OTHER: 000

Card 2/2

L-3221-65 EWT(n)/EFF(1)/EWP(1) PC-4/Pr-4 RM/GS

ACCESSION NR: A T5002122

S/0000/84/000/000/0135/0139

AUTHOR: Chernyshova, T.I.; Nameikin, N.S. (Corresponding member AN SSSR); Grinberg, V. M.

TITLE: A study of the addition of hydrosilanes to allyl esters

SOURCE: AN SSSR. Institut neftekhimicheskogo sinteza. Sintez i svoystva monomerov (The synthesis and properties of monomers). Moscow, Izd-vo Nauka, 1964, 185-199

TOPIC TAGS: silicoorganic compound, heteroorganic compound, hydrosilane, allyl ester, addition reaction

ABSTRACT: Twenty-four addition products (mol. wt. 267-499, boil. pt. 117-240°C, solidification pt. -29.5 - -93°C, yield 19-82%) were prepared by reacting a double excess of ethyldichloro-, diethylchloro-, triethyl-, ethyldiphenyl-, diethylphenyl- and triethylsilane with the allyl esters of valeric and isovaleric acids and the diallyl ester of sebacic acid in the presence of 0.1 N H_2PtCl_6 in absolute isopropyl alcohol at atmospheric pressure; the process took 5-6 hours at temperatures gradually raised to 180-220°C. The hydrosilanes were found to add to the allyl esters at the double bond or the allyl radical, and either one or both allyl radicals of the diallyl ester of sebacic acid, in a process contrary to Markovnikov's rule. A 1.5-hour hydrolysis at 80°C of the diethylchlorosilylpropyl ester of isovaleric acid at 80°C was performed to obtain a

Cord. 1/2

L 61648-65
ACCESSION NR: AP5015595

The structure of the products obtained was identified by infrared analysis. The presence of the four-membered ring was also confirmed by the polymerization of these compounds under the influence of high temperatures or anionic catalysts. The proposed method (indicated in equation (1)) offers a new way of synthesizing silicocyclobutane derivatives with functional groups on the silicon atoms. The experimental procedure employed is described. Orig. art. has: 1 table and 1 formula.

ASSOCIATION: Institut neftekhimicheskogo sintesa im. A. V. Topchiyeva Akademii nauk SSSR (Institute of Petrochemical Synthesis, Academy of Sciences, SSSR)

SUBMITTED: 28Aug64 ENCL: 00 SUB CODE: OC
NO REF Sov: 003 OTHER: 004

Cord

182
2/2

L 61648-65 EWT(m)/EPF(c)/EWP(j)/T Pe-4/Pr-4 RM
 ACCESSION NR: AP5015595 UR/006/65/000/005/0929/0930
 542,91+546,297

24
23
18

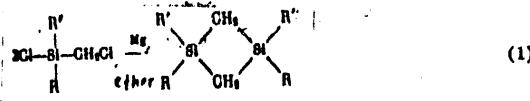
AUTHOR: Nemetkin, N. S.; Vdovin, V. M.; Zav'yalov, V. I.; Grinberg, P. L.

TITLE: Synthesis of 1,1,3,3-tetrasubstituted 1,3-disilicocyclobutanes

SOURCE: AN SSSR. Izvestiya. Seriya khimicheskaya, no. 5, 1965, 929-930

TOPIC TAGS: organosilicon compound, silicocyclobutane

ABSTRACT: Up to the present time, only one representative of the disilicocyclobutanes has been known: 1,1,3,3-tetramethyl-1,3-disilicocyclobutane. To increase the number of existing 1,3-disilicocyclobutane monomers, the authors developed a method for synthesizing 1,3-disilicocyclobutanes with various radicals on the silicon atom. It was found that the formation of four-membered heterocycles occurs via a one-step synthesis, as follows:



Cord 1/2

ACCESSION NR: AP4030784

Reactions IIa, IIc, and IID are a means of synthesizing previously unknown alkoxy-, acetoxy-, and aminosilicacyclobutanes. Orig. art. has: 2 tables and 2 equations.

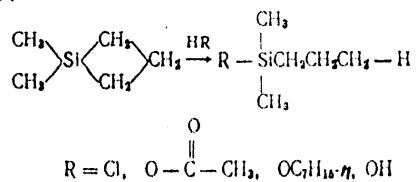
ASSOCIATION: Institut neftekhimicheskogo sinteza. Akademii nauk SSSR (Institute of Petrochemical Synthesis, Academy of Sciences, SSSR)

SUBMITTED: 26Oct63 DATE ACQ: 30Apr64 ENCL: .00

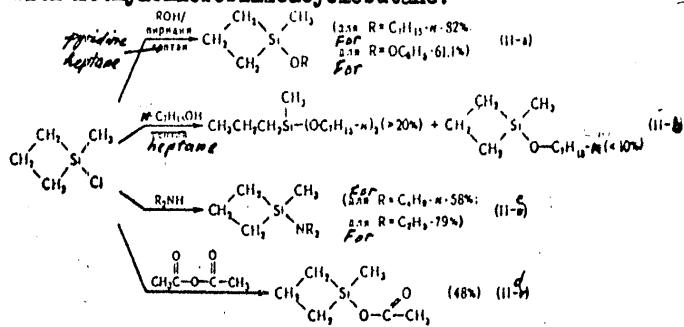
SUB CODE: OC NO REF Sov: 001 OTHER: 005

Card: 3/3

ACCESSION NR: AP4030784



These reactions are specific for the Si-C bond of the silicacyclobutane ring; they will not proceed with the 1,1-dimethylsilicacyclopentane or -hexane. Reactions were attempted with methylchlorosilicacyclobutane:



Card 2/3

ACCESSION NR: AP4030784

S/0020/64/155/004/0849/0852

AUTHOR: Nametkin, N. S. (Corresponding member); Vdovin, V. M.; Grinberg, P. I.

TITLE: Silicacyclobutanes. Strength of the Si-C bond of the silicacyclobutane ring and synthesis of new derivatives of silicacyclobutanes.

SOURCE: AN SSSR. Doklady*, v. 155, no. 4, 1964, 849-852

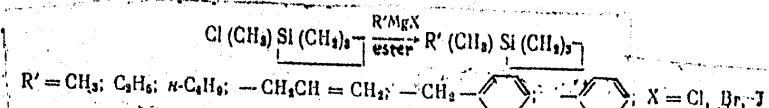
TOPIC TAGS: silicacyclobutane, silicacyclopentane, silicacyclohexane, silicon carbon bond strength, silicacyclobutane derivative, synthesis, alkoxysilica-cyclobutane, acetoxyssilicacylcobutane, aminosilicacyclobutane

ABSTRACT: The investigation included an examination of the strength of the Si-C bond of the silicacyclobutane ring, of the specificity of reactions for the silicacyclobutane ring, and of the synthesis of new silicacyclobutane derivatives. Reaction was attempted between 1,1-dimethylsilicacyclobutane and heptyl alcohol, acetic acid, acetic anhydride, hydrochloric acid, hydrogen chloride gas, water and diethyleamine. Reactions with acids, alcohol, and water proceeded according to the equation

L 13007-63

ACCESSION NR: AP3001403

preparations of cyclobutylsilicates were made using alkyl, aryl, alkenyl and alkyl-aryl substitutions on the silica:



The synthesis of 1-chlor-1-methyl-cyclobutanesilicate, 1-methyl-1-bensylcyclobutanesilicate, and 1-ethyl-1-methylcyclobutanesilicate was obtained from hydro-silanes and alkyl chlorides with the use of H_2PtCl_6 catalyst. Orig. art. has: 2 tables.

ASSOCIATION: Institut neftekhimicheskogo sinteza Akademii nauk SSSR (Institute of Petrochemical Synthesis, Academy of Sciences, SSSR)

SUBMITTED: 12Feb63

DATE ACQ: 01Jul63

ENCL: 00

SUB CODE: 00

NO REF SOV: 008

OTHER: 006

Card 2/2

L 13007-63 EPF(0)/EWP(1)/EWT(m)/BDS AFFTC/ASD Po-4/Pr-4
 RM/WW/MAY

ACCESSION NR: AP3001403

8/0020/63/150/004/0799/0801

66

65

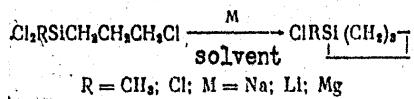
AUTHOR: Vdovin, V. M.; Nametkin, N. S. (Corresponding Member of Academy of Sciences, SSSR); Grinberg, P. L.

TITLE: Cyclobutanesilicates. The synthesis of 1,1-substituted cyclobutanesilicates

SOURCE: AN SSSR. Doklady, v. 150, no. 4, 1963, 799-801

TOPIC TAGS: Synthesis of 1-chlor-1-methylcyclobutanesilicate, synthesis of 1-methyl-1-benzylcyclobutanesilicate, 1-ethyl-1-methylcyclobutanesilicate

ABSTRACT: The study of metaloorganic reactions of Y-chloropropyl silicate derivatives of the type



Showed that the reaction with the non-activated magnesium in ether resulted in very low yields of cyclobutylsilicates (10%). However, good yields of cyclobutylsilicates were obtained when using magnesium activated with iodine vapors. Further

Card 1/2

Robert M. van Vassiljev, his son, Dr. Alexander van VASSILJEV,
German MI6 agent; MI6 file, Italy, 1940.

Participation in the German secret service and
agent of the anti-Soviet organization of KREMLIN IN-SPY
staged from 1940 to 1945. (See also file, "A",
Trumpet, Sec. 1940.)

and a PIP, lithium dimethyl ether, 100% V, 100% by weight, 100° C., 100° F.

Same type of battery used in the 9140P247 and 9140P248
airplane and satellite instruments. Same characteristics.
Same, except, 100% V, 100% by weight.

33

ATCYAN, Karp Mironovich, kand. tekhn. nauk; NAGORNYAK, Georgiy
Andreyevich, inzh.; GRINBERG, P.I., red.

[Operation of the LAZ motorbuses] Ekspluatatsiya avtobusov
LAZ. Moskva, Izd-vo "Transport," 1964. 109 p.
(MIRA 17:4)

APPROVED FOR RELEASE: 06/23/11: CIA-RDP86-00513R000616900047-6

...and if, in your judgment, it would be in the best interest of
the United States, do so.

Very truly yours, [Signature]
[Signature]

APPROVED FOR RELEASE: 06/23/11: CIA-RDP86-00513R000616900047-6

MARK V, GOLF COUNTRY CLUB, NEW YORK.

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DATE 06/23/2011 BY [redacted] CIA [redacted]

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DAVYDOK, replacing original copy; 06/23/11, CIA, USA.

[handwritten] for the driver of a small passenger car, []
[vehicle] Leningradskaya 20, []
Moscow, Transport, []

PONIZOVKIN, A.N.; SHURKINA, V.S.; KUZNETSOV, V.A.; TUZOVSKIY, I.D.;
ETMANOV, S.Ya.; VINOGRADOV, V.V.; VLASKO, Yu.K.; GRINBERG,
P.I., red.; BODANOVA, A.P., tekhn. red.

[Brief handbook on motor vehicles] Kratkiy avtomobil'nyi
spravochnik. Izd.4., perer. i dop. Moskva, Avtotransiz-
dat, 1963. 311 p. (MIRA 17:1)

1. Moscow. Nauchno-issledovatel'skiy institut avtomobil'-
nogo transporta. 2. Laboratoriya gruzovykh avtomobiley i
avtopoyezdov Nauchno-issledovatel'skogo instituta avtomo-
bil'nogo transporta (for all except Grinber, Bodanova).
(Motor vehicles)